



# **STIC Search Report**

**EIC 2800**

**STIC Database Tracking Number: 163628**

**TO: Karl Tamai  
Location: JEF-9A71  
Art Unit : 2834  
Friday, October 14, 2005**

**Case Serial Number: 09/885942**

**From: Darcy Bates  
Location: EIC 2800  
JEF- 4B68  
Phone: 571-272-2540**

**darcy.bates@uspto.gov**

## **Search Notes**

**Re: 09/885,942 US 5,914,548**

**Attached are search results.**

**No U. S. litigation was found in searches of  
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let  
me know.**

**Thanks,**

**Darcy Bates**



[Order Documents](#) | [Available Courts](#) | [Lexis.com](#) | [Sign Out](#) | [Help](#)

LexisNexis CourtLink

Welcome Darcy Bates!

[My CourtLink](#) [Search](#) [Dockets & Documents](#) [Track](#) [Alert](#) [Strategic Profiles](#) [My Account](#)[Search](#) > [Patent Search](#) > Searching

Patent Search - Number: 5,914,548

No cases containing this patent number were found.

[Return to Search](#)

(Charges for search still apply)

---

[Pricing](#) [Privacy](#) [Master Services Agreement](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) 

Terms: **patno=5914548** ([Edit Search](#) | [Suggest Terms for My Search](#))

773180 (08) 5914548 June 22, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**5914548**

◆ [GET 1st DRAWING SHEET OF 7](#)

[Access PDF of Official Patent \\*](#)

[Check for Patent Family Report PDF availability \\*](#)

\* Note: A transactional charge will be incurred for downloading an Official Patent or Patent Family Report. Your acceptance of this charge occurs in a later step in your session. The transactional charge for downloading is outside of customer subscriptions; it is not included in any flat rate packages.

[Link to Claims Section](#)

June 22, 1999

Sealed actuator

**REISSUE:** Reissue Application filed Jun. 22, 2001 (O.G. Nov. 6, 2001) Ex. Gp.: 2834; Re. S.N. 09/885,942, (O.G. November 6, 2001)

**INVENTOR:** Watanabe, Hayao - Gunma, Japan (JP); Horikoshi, Atsushi - Gunma, Japan (JP)

**APPL-NO:** 773180 (08)

**FILED-DATE:** December 27, 1996

**GRANTED-DATE:** June 22, 1999

**PRIORITY:** December 28, 1995 - 7343805, Japan (JP); December 25, 1996 - 8355764, Japan (JP)

**ASSIGNEE-AT-ISSUE:** NSK Ltd., Tokyo, Japan (JP), 03

**ASSIGNEE-AFTER-ISSUE:** June 4, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NSK LTD. 6-3, OHSAKI 1-CHOME, SHINAGAWA-KU TOKYO JAPAN, Reel and Frame Number: 08611/0501

**LEGAL-REP:** Sughrue, Mion, Zinn, Macpeak & Seas, PLLC

**PUB-TYPE:** June 22, 1999 - Utility Patent having no previously published pre-grant publication (A)

**PUB-COUNTRY:** United States (US)

**US-MAIN-CL:** 310#88

**US-ADDL-CL:** 310#68B, 310#112

**CL:** 310

**SEARCH-FLD:** 310#68 .B, 310#84, 310#86, 310#88, 310#89, 310#112, 310#114

**IPC-MAIN-CL:** 6H 02K005#10


[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)
[History](#) | 

[Sources](#) | [Guided Search Forms](#) | [Command Searching](#)
[Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#)

### Enter Search Terms

☒ [Terms and Connectors](#)    ☐ [Natural Language](#)    ☐ [Easy Search](#)

[Suggest Terms  
for My Search](#)

[Check Spelling](#)

### Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax	Definition
<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not
<a href="#">View Search Comman</a>	

### Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.



Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

### Restrict by Date:

☒ [No Date Restrictions](#)
☐ [From](#)
[To](#)
[Date Formats...](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)  
[History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)  
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

WELCOME to QUESTEL.ORBIT- Your Guide to INTELLECTUAL PROPERTY

Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5914548/pn

\*\* SS 1: Results 1

Search statement 2

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5914548 A 19990622 [US5914548]  
TI - (A) Sealed actuator  
PA - (A) NSK LTD (JP)  
PAO - NSK Ltd., Tokyo [JP]  
IN - (A) WATANABE HAYAO (JP); HORIKOSHI ATSUSHI (JP)  
AP - US77318096 19961227 [1996US-0773180]  
PR - JP34380595 19951228 [1995JP-0343805]  
JP35576496 19961225 [1996JP-0355764]  
IC - (A) H02K-005/10 H02K-007/20 H02K-011/00  
EC - H02K-005/128  
H02K-007/20  
H02K-011/00  
PCL - ORIGINAL (O) : 310088000; CROSS-REFERENCE (X) : 310068000B  
310112000  
DT - Basic  
CT - US2669667; US2809310; US2993131; US3686556; US4893078; US5270600;  
US5291087; US5394043; US5446966; US5469035; US5641276; JP3-150041;  
JP3-150042; WO9423911  
STG - (A) United States patent  
  
AB - A sealed actuator includes a motor stator having rotation-drive magnetic poles; a motor rotor arranged so as to confront magnetic pole surfaces of the motor stator while interposing a small distance therebetween and rotatably supported through roller bearings; and displacement detecting means for measuring displacement of the motor rotor. A partition wall made of a nonmagnetic metal is disposed in a clearance between the motor stator and the motor rotor, so that the inner space where the motor stator is disposed is hermetically covered. The bearings are disposed at both sides of the partition wall in the axial direction so that the load applied to the bearings are directly received by a housing. At least a part of the partition wall is reinforced by reinforcing members and a mold agent is charged into the space on the motor stator side.

1 / 1 LGST - @EPO  
PN - US5914548 A 19990622 [US5914548]  
AP - US77318096 19961227 [1996US-0773180]  
ACT - 19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: NSK LTD. 6-3, OHSAKI 1-CHOME, SHINAGAWA-KU TOKYO,;

10/14/05

US 5,914,548

09/885942

EFFECTIVE DATE: 19970224

19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: WATANABE, HAYAO; EFFECTIVE DATE: 19970224

19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: HORIKOSHI, ATSUSHI; EFFECTIVE DATE: 19970224

20011106 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010622

UP - 2003-22

1 / 1 CRXX - @CLAIMS/RRX  
AN - 3160308  
PN - 5,914,548 A 19990622 [US5914548]  
PA - NSK Ltd JP  
PT - E (Electrical)  
ACT - 20010622 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20011106  
REISSUE REQUEST NUMBER: 09/885942  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2834

Reissue Patent Number:

UP - 2001-45  
UACT- 2001-11-06

Search statement 2

Query/Command : fam us5914548/pn

1 Patent Groups  
\*\* SS 2: Results 2

Search statement 3

Query/Command : famstate nonstop

1 / 2 PLUSPAT - @QUESTEL-ORBIT - image  
PN - JP9238438 A 19970909 [JP09238438]  
STG - (A) Doc. Laid open to publ. Inspec.  
TI - (A) CLOSED ACTUATOR  
PA - (A) NIPPON SEIKO KK  
PAO - (A) NIPPON SEIKO KK  
IN - (A) WATANABE ITSUO; HORIKOSHI ATSUSHI

10/14/05

US 5,914,548

09/885942

IC - (A) H02K-005/12  
AP - JP35576496 19961225 [1996JP-0355764]  
PR - JP34380595 19951228 [1995JP-0343805]  
JP35576496 19961225 [1996JP-0355764]

2 / 2 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US5914548 A 19990622 [US5914548]  
STG - (A) United States patent  
TI - (A) Sealed actuator  
PA - (A) NSK LTD (JP)  
PAO - NSK Ltd., Tokyo [JP]  
IN - (A) WATANABE HAYAO (JP); HORIKOSHI ATSUSHI (JP)  
IC - (A) H02K-005/10 H02K-007/20 H02K-011/00  
AP - US77318096 19961227 [1996US-0773180]  
PR - JP34380595 19951228 [1995JP-0343805]  
JP35576496 19961225 [1996JP-0355764]  
EC - H02K-005/128  
H02K-007/20  
H02K-011/00  
PCL - ORIGINAL (O) : 310088000; CROSS-REFERENCE (X) : 310068000B  
310112000  
DT - Basic

1 / 1 LEGALI - @EPO  
PN - US5914548 A 19990622 [US5914548]  
AP - US77318096 19961227 [1996US-0773180]  
ACTE- 19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: NSK LTD. 6-3, OHSAKI 1-CHOME, SHINAGAWA-KU TOKYO,;  
EFFECTIVE DATE: 19970224  
  
19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: WATANABE, HAYAO; EFFECTIVE DATE: 19970224  
  
19970604 US/AS02-A  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
OWNER: HORIKOSHI, ATSUSHI; EFFECTIVE DATE: 19970224  
  
20011106 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010622  
UP - 2003-22

1


[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)  
[Sources](#) | [Guided Search Forms](#) | [Command Searching](#)
[History](#) | 

[Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Legal News](#) > [Patent, Trademark & Copyright Periodicals, Combined](#)

### Enter Search Terms

☒ [Terms and Connectors](#)   ☐ [Natural Language](#)   ☐ [Easy Search](#)

[Suggest Terms  
for My Search](#)

[Check Spelling](#)

### Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

#### Syntax Definition

<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not

[View Search Comman](#)

### Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.



Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

### Restrict by Date:

☒ [No Date Restrictions](#)   ☐ From  To  [Date Formats...](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)  
[History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)  
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.



## No Documents Found!

No documents were found for your search terms

"5914548 or 5,914,548"

---

Click "Save this search as an Alert" to schedule your search to run in the future.

- OR -

Click "Edit Search" to return to the search form and modify your search.

Suggestions:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

---

☒ Save this search as an Alert

Edit Search

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.


[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)
[History](#) | 

[Sources](#) | [Guided Search Forms](#) | [Command Searching](#)

[Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Multi-Source Groups](#) > [Patent Cases from Federal Courts and Administrative Materials](#)

### Enter Search Terms

☒ [Terms and Connectors](#)   
 ☐ [Natural Language](#)   
 ☐ [Easy Search](#)

[Suggest Terms  
for My Search](#)

[Check Spelling](#)

### Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

#### Syntax Definition

<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not

[View Search Comman](#)

### Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.



Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

### Restrict by Date:

☒ [No Date Restrictions](#)
☐ [From](#)
[To](#)
[Date Formats...](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)  
[History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)  
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

## No Documents Found!

No documents were found for your search terms

"5914548 or 5,914,548"

---

Click "Save this search as an Alert" to schedule your search to run in the future.

- OR -

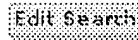
Click "Edit Search" to return to the search form and modify your search.

Suggestions:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

---

 Save this search as an Alert

 Edit Search

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.


[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)  
[Sources](#) | [Guided Search Forms](#) | [Command Searching](#)
[History](#)
[News & Business](#) > [News](#) > [News, All \(English, Full Text\)](#)

### Enter Search Terms

☒ [Terms and Connectors](#)   
 ☐ [Natural Language](#)   
 ☐ [Easy Search](#)

[Suggest Terms  
for My Search](#)

[Check Spelling](#)

### Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax	Definition
<a href="#">and</a>	and
<a href="#">or</a>	or
<a href="#">w/N</a>	within N words
<a href="#">not w/N</a>	not within N words
<a href="#">pre /N</a>	precedes by N words
<a href="#">w/p</a>	in same paragraph
<a href="#">not w/p</a>	not in same paragraph
<a href="#">w/seg</a>	in same segment
<a href="#">not w/seg</a>	not in same segment
<a href="#">w/s</a>	in same sentence
<a href="#">not w/s</a>	not in same sentence
<a href="#">and not</a>	and not
<a href="#">View Search Comman</a>	

### Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.



Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

### Restrict by Date:

☒ [No Date Restrictions](#)   
 ☐ From  To  [Date Formats...](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Alerts](#)  
[History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)  
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

## No Documents Found!

No documents were found for your search terms

"5914548 or 5,914,548"

---

Click "Save this search as an Alert" to schedule your search to run in the future.

- OR -

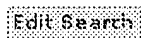
Click "Edit Search" to return to the search form and modify your search.

Suggestions:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

---

 Save this search as an Alert

 Edit Search

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.